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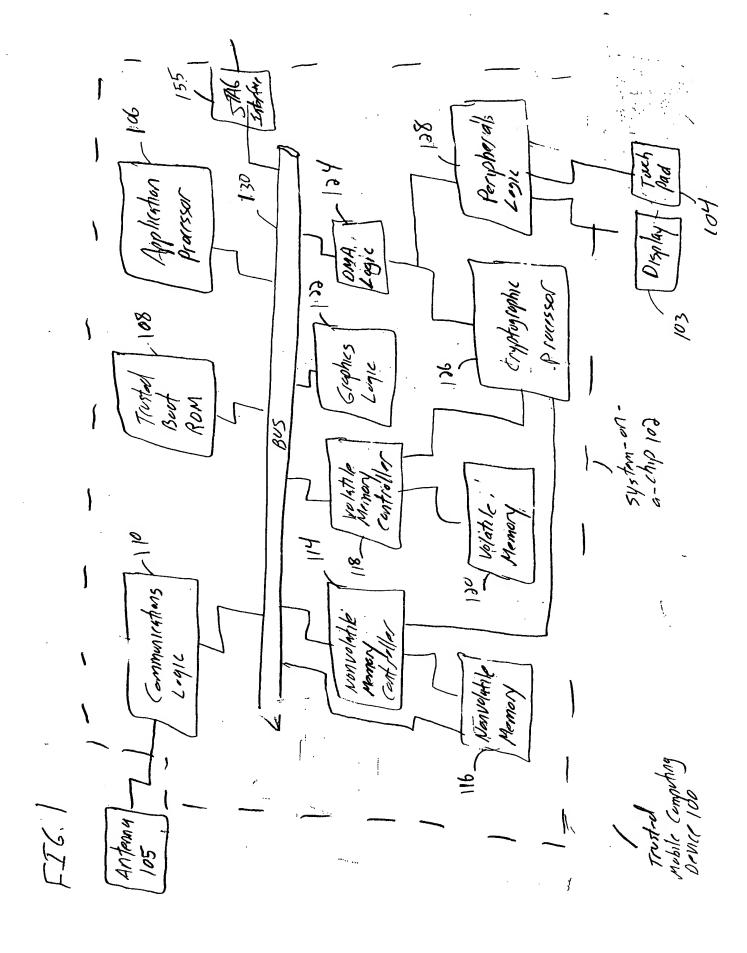
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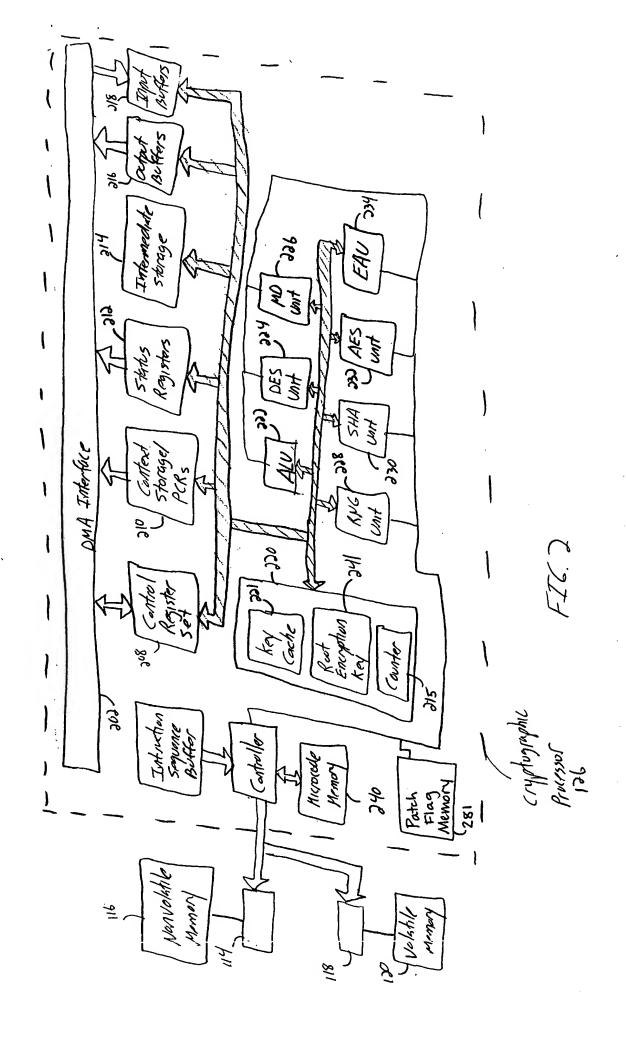
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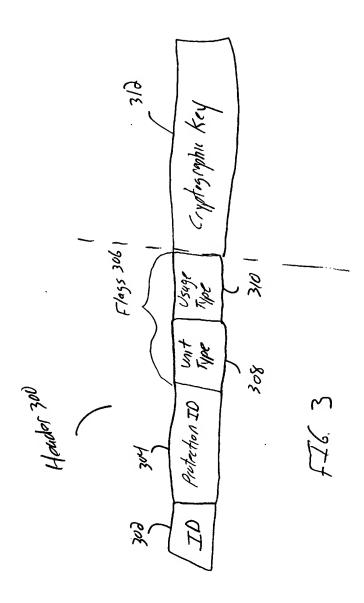
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400 Receive a security service (402 equest for authentication or cryptographic operations Cenerate at least one primitive instruction based on the security Service request Transmit the at least one primitive instruction to a cryptographic processor Receive a result of the at least one primitive instruction from the cryptographic processor

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6500

502 Verify the RNG unit 228 is generating proper sandom numbers .504 Verify the state of the counter 215 506 Verty that the functional units are generating proper 508 Verify the volatile

FI6.5

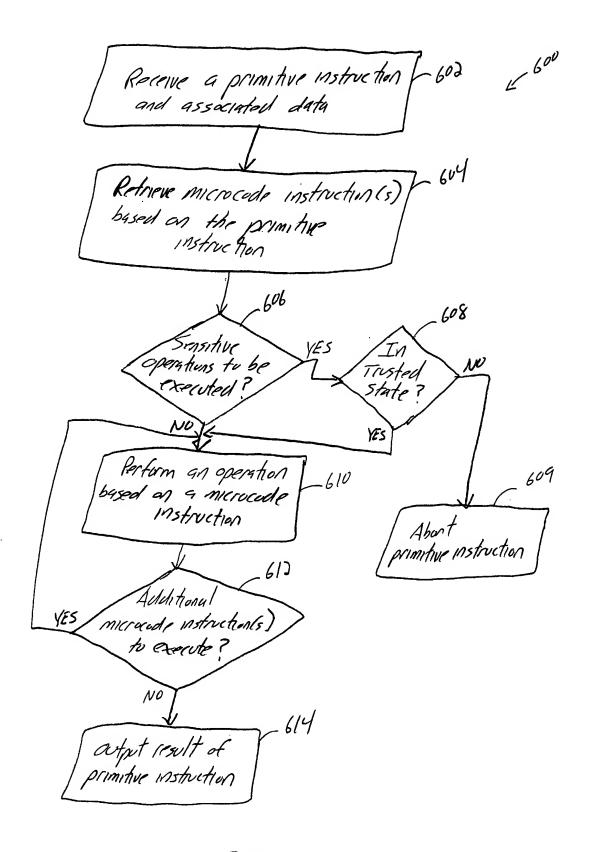


FIG. 6A

650 Receive a primitive instruction

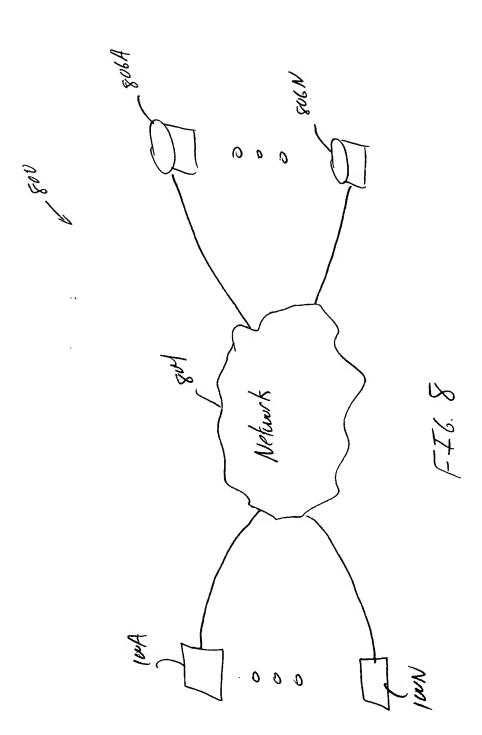
to porture an operation in a
cryptographic processor that includes
the use of a cryptographic

key 652 Kay 654 Unit Type for the cryptographic key authorized? NO 664 -656 Generate a challenge Abort the primitive instruction 658 Receive a response to the challenge 660 Respusse NO correct? YES Load the cryptographic |
Key into the designated |
Finctional unit for execution

FIG. 6B

Instate Trusted But 702 operations for the cryptographic pruessur 204 Patch for the MICrocode? 106 Load the patch for the microcode and the cryptographic ky and signature 708 Cryptographic Kay for the patch Valid? 710 7/2 Delete the patch, the cryptugraphic key and the Signature for the putch valid? 714 Lud putch flags and tag entries for the microcode that is patched

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